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VACAVALLEY RADIO CLUB

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VACAVILLE , CALIFORNIA **Sept 2014**

With the end of August comes the end of vacation time for the Vaca Valley Radio Club. Even though no meetings have been held during this period, the W6VVR net on two meters has still kept club members active judging by the numbers who have been checking in.

Our meetings will resume in Elmira on 2nd Thursday of this month (**September 11)** at 7:30pm at the firehouse.

It's been an interesting last few days as a result of the earthquake that caused considerable damage in Napa, Vallejo and Mare Island.

While most of the news has been concentrated on the damage in Napa, which is considerable, Vallejo and Mare Island have had quite a bit of damage too. In particular, the Mare Island Museum building has been red tagged forcing the Vallejo Ham Radio Club to hold their meetings elsewhere. Little information on the damage has been made public so perhaps one of our members who also attend the Vallejo meetings can give us an update on the conditions in Vallejo and Mare Island.

Jerry, KD6WKY will be giving a presentation on the Napa damage at the meeting. He will have first hand knowledge of the area because of his insurance claim investigations he has been holding. It should be an interesting meeting.

With the recent events in mind, here's a thought...under the newsletter info box is the statement, , *"We participate in public service events throughout the year and are always ready to assist with communications during times of emergency."*

During our April meeting, Jill Childers, coordinator and instructor for the Vaca Community Emergency Response Team (VCERT) gave a brief overview of the program. I understand in order for members to participate during emergencies this training is required. As far as I know, no one including me, signed up. My question is, are we in a position to participate as a club?

There is a very good possibility that we could have a major earthquake in our area, as you will be able to see in an article in this newsletter taken from studies made after the 1892 earthquake caused considerable damage. We have several faults in our area. I don't believe even though the Vallejo club was not called in to action they are prepared and trained.

Just something to think about.

VACA VALLEY RADIO CLUB--2013

ELECTED OFFICERS

President: Mike Vieria, W6MAV
Vice President: Jerry Olive, KD6WKY
Secretary: Skip Lawson, AF6HC
Treasurer: Bob Hewitt, K6HEW

BOARD OF DIRECTORS

Director: Antonio DelRio, N6ZGB
Director: Chris Jones, KD7TQO
Director: Arthur Miller, KI6UXE
Director: Richard Craig, KJ6MIB

APPOINTED POSITIONS

Net Control Chairperson: Chris Jones, KD7TQO
Club Activities Chairperson: Board of Directors
Newsletter Editor: Jerry Bowen, KJ6SCC
Newsletter Publisher & Distributor: Bob Hewitt, K6HEW

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THE VVRC WELCOMES YOU

The Vaca Valley Radio Club has proudly served the Northern Solano County Area since 1988. We pride ourselves in providing a friendly place for radio amateurs to meet and improve their operating skills.

We participate in public service events throughout the year and are always ready to assist with communications during times of emergency.

Browse our website for more information about our club. If you have any questions please e-mail us at w6vvr@w6vvr.net or call 707-448-5665 for assistance

The Repeater is Published by the Vaca Valley Radio Club, PO Box 143, Elmira, CA 95625-0143, An ARRL Affiliated Club. Founded 1987, Chartered 1988. General Meetings: 2nd Thursday of each month at 7:30 PM 420 Elmira Fire Station. **Wheelchair accessible**

*** * ARRL Regional Centennial Event! ****

T he ARRL Pacific Division and the Mt. Diablo Amateur Radio Club Present:

PACIFICON 2014 - October 10-12, 2014

• The Great West Coast Ham Radio Convention!

• Largest West Coast Vendor Show of Amateur Radio Gear!

• Outstanding Technical Forums!

• Great Swap Meet!

Marriott Santa Clara Hotel

2700 Mission College Blvd.

Santa Clara, California

For Events, Latest Updates and Registration go to

www.PACIFICON.org

Youth 17 & under admitted free • College students $5

Major ARRL Second Century Campaign Gift from JA1BK Will Support DX Log Archive

08/24/2014-ARRL DX News

A major donation from noted DXer Kan Mizoguchi, JA1BK, to the ARRL Second Century Campaign will support "The DX Log Archive Endowed by JA1BK." Earnings from the generous gift will fund the creation and management of a DX Log Archive Program for paper DX logs of rare and significant DXpeditions that took place predominantly in the 1950s, 1960s, and 1970s. The archive also would include pre-1950 paper logs, as well as those from rare operations, and logs kept by long-time residents of very rare entities.

The ARRL will be reaching out to the DX community to collect paper DX station logs for inclusion. All logbooks will be inventoried and housed at ARRL Headquarters.

Confirmations from archived logs will be made available via Logbook of the World (LoTW) or, upon request, with a traditional QSL card.

The ARRL Membership and Volunteer Programs Department will manage the DX Log Archive Program. A qualified volunteer or part-time ARRL employee will execute the project. Earnings also will fund any equipment, software, and materials needed to maintain the program.

On behalf of the League, ARRL Individual Giving Manager Lauren Clarke, KB1YDD, expressed thanks and appreciation to Kan for his financial contribution that will make this new program possible.

You can say any foolish thing to a dog, and the dog will give you a look that says, 'My God, you're right! I never would've thought of that!

Jerry KJ6SCC

Vacaville's night watchman, S. N. Bettis, was walking down Main Street at 2:50 a.m., lantern in hand, when "his attention was attracted by a rumbling sound coming from the hills west of town. The noise resembled distant thunder or the roaring of water which had suddenly been let loose by the bursting of huge dam gates. Bettis stood still and listened a few seconds, while the noise increased to a roar and the ground beneath his feet seemed to heave up . . . 'I felt as if I was on the deck of a vessel during a heavy storm, and I put my hands to the ground to prevent myself from falling on my face . . . After that brick walls and chimneys began to fall all around and the noise for a minute or so was deafening'

On that Tuesday morning, April 19, 1892, most of northern California and west-central Nevada was shaken by an earthquake of about Richter magnitude M 6½.. Major damage was concentrated in the communities of Vacaville and Dixon in Solano County, and Winters in Yolo County and surrounding rural areas along the western margin of the lower Sacramento Valley. Two days later at 9:43 a.m. on Thursday, April 21, a second severe earthquake in the M 6 range shook the area again, causing further damage. The largest of numerous aftershocks, approximately a M 5½ event, occurred several days later (April 29).

Newspaper accounts of the 1892 earthquakes were compiled from some 40 periodicals and other reports with particular emphasis on establishing the location of the epicenters. From this study it was concluded that "the epicentral region for the major events of the April 19-29, 1892, series of seismic events . . .was not in the Central Valley, as had been previously assumed, but rather in the hills bordering the valley west of Vacaville and Winters."

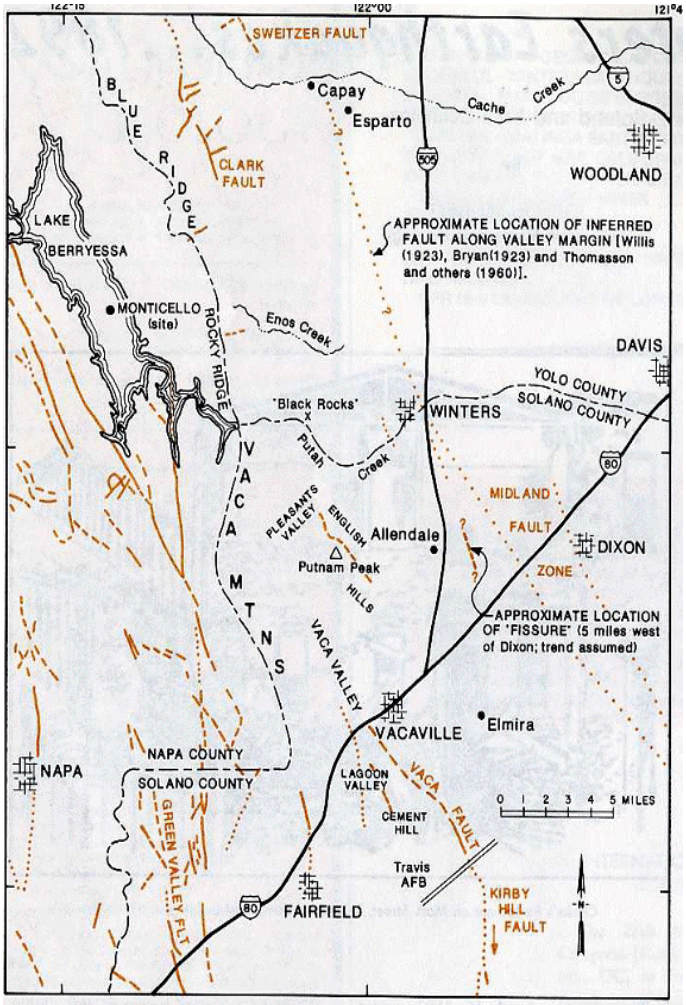


Figure 1. Faults in the Vacaville-Winters region. After Wagner and others, 1981, and Wagner and Bortugno, 1982, except as noted on map.

From an initial overview of the many newspaper accounts and isoseismal maps the general area for the source of the 1892 earthquake sequence was determined (Figure 1). There are several known or suspected faults within the area that either have been or could be regarded as the source of this earthquake sequence. These include the following:

(1) The Midland fault, or an unidentified (concealed) fault along the western valley margin.

(2) A fault in the English Hills or Vaca Mountains such as,

(a) an unidentified (concealed) fault in Vaca Valley-Pleasants Valley, the possible northern extension of either the Vaca fault or faults treading northerly from Lagoon Valley or,

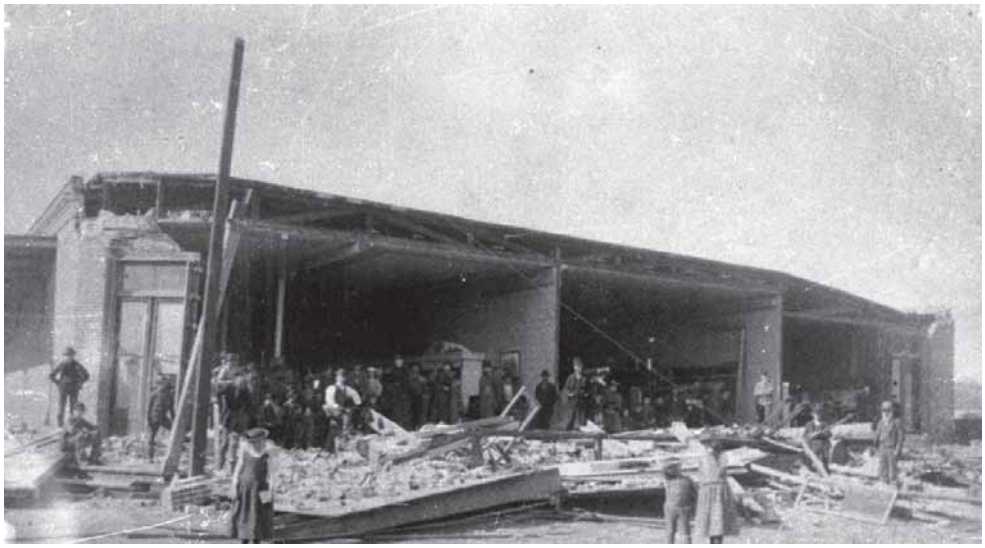
(b) an unrecognized bedding plane fault associated with the steeply dipping Great Valley sequence.

(3) The active Green Valley fault or another fault west of the crest of the Vaca Mountains.

Visit the Repeater online courtesy of Bob K6HEW at: vacavalleyradio.net

Club repeater in Vacaville:W6VVR 145.470 MHz(-) pl 127.3
The W6VVR net call is Tuesday evenings at 8pm on the club repeater. All are invited to participate in this weekly meeting on the air. 73!

Additional local repeaters
WV6F 224.200(-)
WV6F 440.025(+)
WV6F 1291.900(-)



1892 earthquake damage to the Crystal Building (today's Amplett's, Studio 13 and Premiere Boutique on the southeast corner of Main and Dobbins Streets

(4) Rupture resulting from active folding, with no clear association with any fault having surface expression, as was the case in Coalinga in 1983.

Faults in the English Hills/ Vaca Mountains

A fault within the English Hills was mapped in 1960 and also 1973. From its southern extremity, this fault projects southeasterly across the English Hills along the approximate base of the Tehama Formation. The location of the southeastern end of this fault is not certainly known. Toward the north, maps show this fault extending from the English Hills across Pleasants Valley to within about two miles of Putah Creek. This fault is not regarded as an active feature .

Two faults, which trend northerly across Cement Hill northeast of Fairfield, possibly merge within Lagoon Valley and extend north to a point about 2 miles west of Vacaville before terminating at the alluvium in Vaca Valley near Alamo Creek, were mapped by Sims and others in 1973. Continuation of faulting northwesterly into Vaca Valley is a reasonable extrapolation.

Another fault that may extend into Vaca Valley is the Vaca fault was mapped in 1981. This fault trends northwest along the northeast flank of the hills just south of Vacaville terminating at the southern end of Vaca Valley just west of Vacaville (Figure 1). The map shows the Vaca fault extending southerly across Travis Air Force Base to connect with the Kirby Hills fault west of the Montezuma Hills, A prominent zone of seismicity is associated with the trend south of the Montezuma Hills, defining a zone that includes the Livermore earthquake sequence.

The Clark fault, named by Kirby and Crook in 1934, was mapped in 1973 southerly from Capay Valley into the mountains east of Lake Berryessa and Rocky Ridge. This fault is also inferred to extend north into Capay Valley and speculated that massive vertical sandstone beds located along Enos Creek several miles to the south might be an expression of this same fault. This fault was also mapped along the same south-southeasterly trend. Projection of this fault south of Enos Creek intersects Putah Creek near where Putah Creek makes an abrupt change from an easterly to a southeasterly course about 5 miles west of Winters.

1892 earthquake damage to the south side of Main Street (today's Historic Downtown District

CONCLUSIONS

NET CONTROL OPERATORS

1st week of month-Jerry Bowen; KJ6SCC
2nd week of month-Richard Craig; KJ6MIB
3rd week of month-Chris Jones; KD7TQO
4th week of month-Marcus MacLean; KI6WDX
On months with 5 weeks-Bob Hewitt; K6HEW

From these various accounts, there appears little doubt that the source area of the April, 1892 events and, presumably, the entire earthquake sequence lies in the hills west of the lower Sacramento Valley. These additional accounts affirm the earlier and corresponding conclusion by Dale in 1977. In fact, this same general conclusion was stated rather well 95 years ago in the Morning Call of April 23, 1892, as follows:

"From the same general appearance of things, there seems to be little doubt that the shock originated in the foothills on the west side and travelled in a wave 20 or 30 miles long directly to the Sacramento River (Morning Call, April 23, 1892)."

These data suggests further that the source area was located east of the crest of the Vaca Mountains in Solano and Yolo counties. This conclusion is predicated on the absence of any significant damage at Monticello in Berryessa Valley, at Pope Valley, and generally throughout Napa County and on Dunton's observation that shaking effects in Putah Canyon diminished rapidly westward towards Berryessa Valley. These observations are in marked contrast with the reports of intense shaking at all locations east of the county line.

From the numerous accounts, the most intense shaking occurred in the area generally bounded by Pleasants Valley, Putah Creek, Winters, and Allendale. The northern limits of this area are vague, however, since there was no significant settlement and, hence, no reports originating within the hills north of Putah Creek.

This study supports the earlier conclusion that the source area of this earthquake sequence lies within the hills bordering the valley west of Vacaville and Winters. The evidence further supports a conclusion that the source area lies northerly of Vacaville and east of the crest of the Vaca Mountains, thereby eliminating the known active Green Valley fault, or other faults within Napa County. This earthquake sequence appears to have originated within an area of some six to eight miles in width centered on the English Hills, the area extending from near the Sacramento Valley margin to just west of the Vaca Valley-Pleasants Valley trough.

Within this area possible sources of the 1892 earthquake sequence include:

a) an unrecognized thrust fault or faults related to the development of folds along the western margin of the Great Valley, a source similar to that which produced the 1983 Coalinga earthquake,

(b) a concealed fault within the Vaca Valley-Pleasants Valley trough, possibly the northern extension of the Vaca Fault,

(c) a bedding plane fault within the steeply dipping Great Valley sequence.

The significance of the Vacaville-Winters earthquakes has become more apparent since the 1983 Coalinga earthquake focused attention on the seismic hazard associated with the western margin of the Great Valley. It is highly probable that both of these destructive earthquakes were the result of the same tectonic processes taking place in similar environments.

73 on 73 Award Announced

Paul Stoetzer, N8HM, is sponsoring a new award for contacts made via the UK Amateur Radio Educational Satellite FUNcube-1 (AO-73) to promote activity on the satellite. The award period begins on September 1. Requirements are simple: Work 73 different stations on AO-73 (SSB or CW). There are no geographic restrictions on operating location, no QSLs are required, and the award is free, although Stoetzer encourages contributions to AMSAT-UK and to AMSAT-NA's Fox program.

E-mail log extracts containing the call sign of each station worked and the date/time (UTC) of each contact. Include your mailing address.

The AO-73 inverting transponder uplink is 435.150-435.130 MHz (LSB). The downlink is 145.950-145.970 MHz (USB). Use no more than 5 W to a 7 dBi gain antenna when accessing the AO-73 transponder. --Thanks to AMSAT News Service via Paul Stoetzer, N8HM

Operations Approved for DXCC Credit

The ARRL DXCC Desk has approved these operations for DX Century Club credit: A52JR, 4W/HB9FLX, 4W/N1YC, and 4W/PE7T. If a request for DXCC credit for any of these operations has been rejected in a prior application, contact the ARRL DXCC Desk to be placed on the list for an update to your record. Please note the submission date and/or reference number of your application in order to expedite the search for any rejected contacts.

DXCC is Amateur Radio's premier award that hams can earn by confirming on-the-air contacts with 100 DXCC "entities," most of which are countries in the traditional sense. You can begin with the basic DXCC award and work your way up to the DXCC Honor Roll.

THE BIT BUCKET

A little Reminder

If you would like to chat on-line about the VVRC, go to our new Twitter account @w6vvr and chat away.

Also we have a Facebook account, just go to Facebook and search for w6vvr and there you are.

One other thing is we also have a "blog", that's right a "blog", just do a Google search for Vaca Valley Radio Club Blog and enter your email address to follow all the comments. We are now in the 21st Century thanks to Frank KJ6EWQ our media guru guy.

Thanks to everyone for making this a great club,

Mike; W6MAV

Mobile HF is great, but it would be a wonder to see this outfit at freeway speeds with all those antennas fully deployed

PLEASE RENEW YOUR MEMBERSHIP

VACAVALLEY RADIO CLUB, INC.

MEMBERSHIP APPLICATION / RENEWAL FORM

Please Print & Fill in Completely Dues are delinquent January 1st

Name: _____ Call Sign_____

Street: _____

City: _____Zip: _____

Phone: (_____) _____-_____OK to Publish ?(_____)

License Class: _____ ARRL Member ?(_____)

E-Mail Address_____

FAMILY Member (Spouse or Children)

Name: _____ Call Sign_____
License Class: _____ARRL Member ?(_____)

Name: _____ Call Sign_____
License Class: _____ARRL Member ?(_____)

MEMBER Dues	$20.00	_____
Each Family Member	$ 2.00	_____
Student	$ 5.00	_____
Repeater/Autopatch donation		_____
Call/Name badge	$11.00	_____
Optional ARRL membership		
ARRL dues	$37.00	
Total		_____

Paid by CASH: Check # _____

DATE: _____

Mail to : Vaca Valley Radio Club, PO Box 143, Elmira, CA 95625-0143